

Amendments to the Specification:

Please replace paragraph [0014] with the following amended paragraph:

[0014] Figs. 7a and 7b collectively illustrate ~~Fig. 7 is a~~ flow chart of an exemplary “remove specific” function that may be used with a queue.

Please replace paragraph [0039] with the following amended paragraph:

[0039] Referring now to Figs. 7a and 7b ~~Fig. 7~~, the remove specific function 15 may search for and remove a specific target element from the queue 1. The queue 1 may be locked in step 70 and tested for emptiness in step 71. If the queue 1 is not empty, the remove specific function 15 may proceed by traversing the elements of the queue until the target element is located in step 72. If and when the target element is found, determinations are made in steps 73 and 81 as to whether the target element's next pointer is not null and whether the target element is at the head of the queue. If not null and at the head of the queue, the head pointer 8's value may be set to the address in the target element's next pointer in step 80, implicitly unlocking the queue. If the target element's next pointer is not null (as determined in step 73), but the target is not at the head (as determined in step 81), the next pointer of the element previous to the target element may be set to the address contained in the target element's next pointer in step 82. The head pointer 8 may be returned to its original value in step 85 (which may have been returned by the lock queue function 11). The queue 1 may also be implicitly unlocked by step 85.